

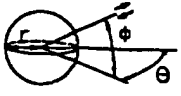
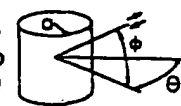
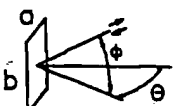
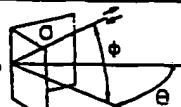
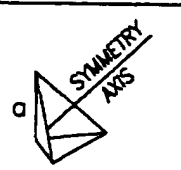
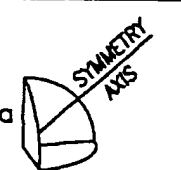
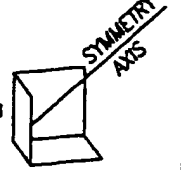
Type	Dimensions	Maximum RCS, σ	Angular Response for σ	
			θ	ϕ
Sphere		$\pi r^2 = 3.14 r^2$	360°	360°
Cylinder		$\frac{2\pi ab^2}{\lambda} = 6.28 \frac{ab^2}{\lambda}$	360°	$\pm 13 \frac{\lambda}{b}$ degree to $\frac{1}{2}$ max
Rectangular Flat Plate		$\frac{4\pi a^2 b^2}{\lambda^2} = 12.6 \frac{a^2 b^2}{\lambda^2}$	$\pm 13 \frac{\lambda}{b}$ degree to $\frac{1}{2}$ max	$\pm 13 \frac{\lambda}{b}$ degree to $\frac{1}{2}$ max
Rectangular Dihedral Corner		$\frac{8\pi a^2 b^2}{\lambda^2} = 25.1 \frac{a^2 b^2}{\lambda^2}$	$\pm 15^\circ$ to $\frac{1}{2}$ max $\pm 32^\circ$ to $\frac{1}{10}$ max	$\pm 13 \frac{\lambda}{a}$ degree to $\frac{1}{2}$ max
Triangular Trihedral		$\frac{4\pi a^4}{3\lambda^2} = 4.19 \frac{a^4}{\lambda^2}$	Approx. 40° total cone angle about axis to $\frac{1}{2}$ max	
Circular Trihedral		$15.6 \frac{a^4}{\lambda^2}$	Approx. 32° total cone angle about axis to $\frac{1}{2}$ max	
Square Trihedral		$\frac{12\pi a^4}{\lambda^2} = 37.8 \frac{a^4}{\lambda^2}$	Approx. 23° total cone angle about axis to $\frac{1}{2}$ max	

FIG. 1

FIG. 2

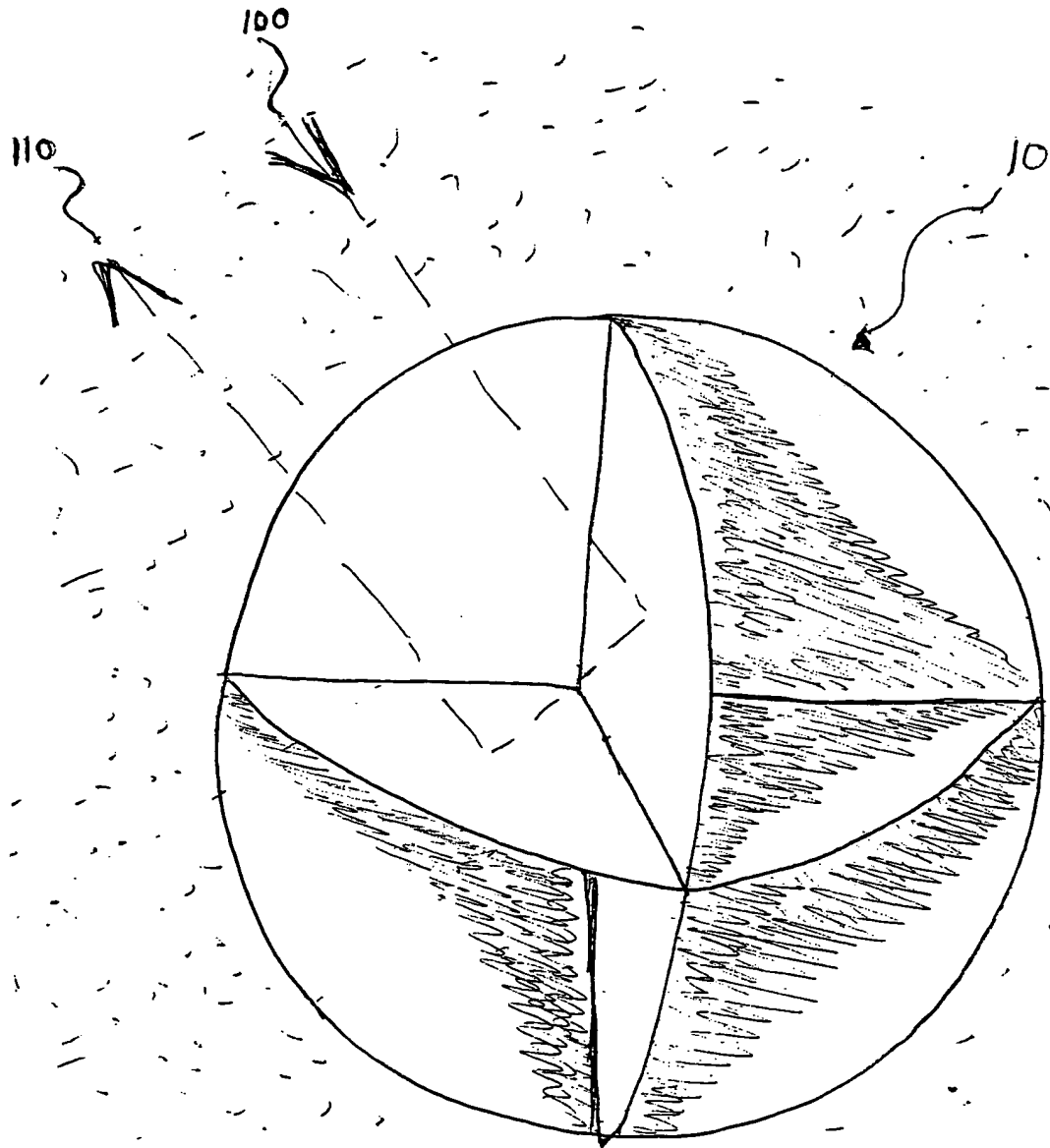


FIG. 4A

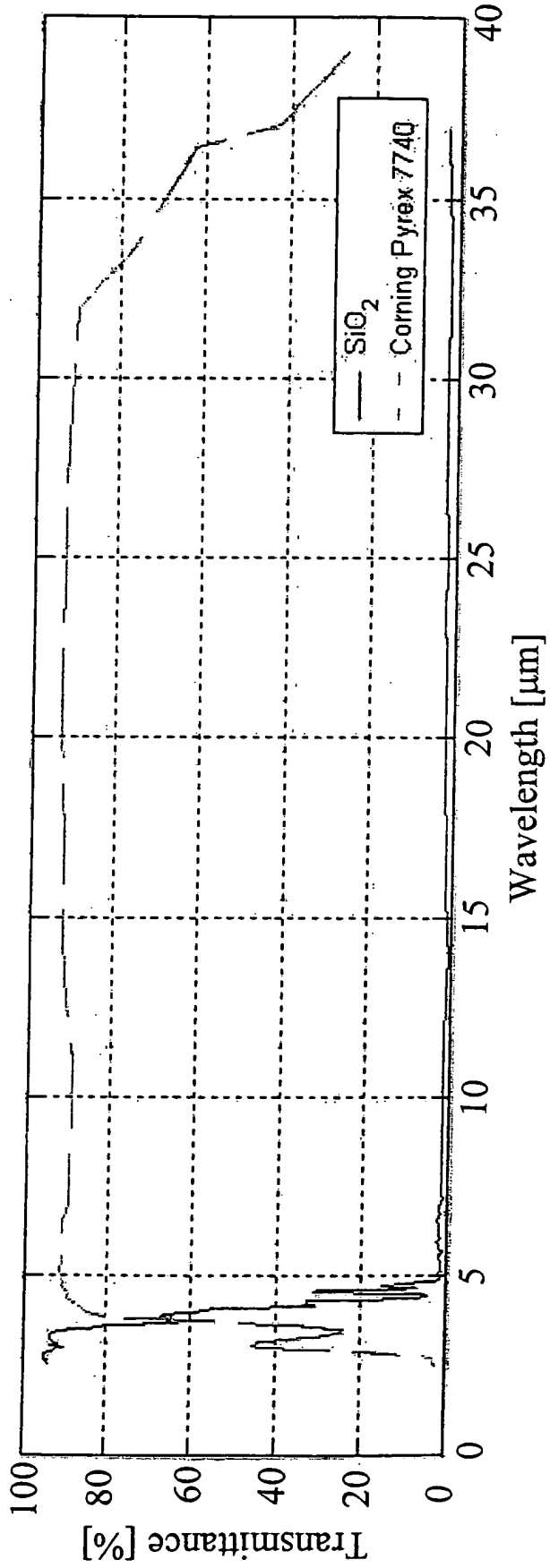


FIG. 4B

